

History of CWD in Texas



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History of CWD in Texas

General Statistics

- >1 million licensed hunters in Texas
- >850,000 – 950,000 deer harvested annually
- 250,000 farms and ranches offer hunting opportunities
- 868 permitted deer breeders



Edmunds et al. 2016

- Leading causes of mortality within this white-tailed deer population:
 - hunter harvest
 - clinical CWD
- CWD+ deer were 4.5x more likely to die annually than deer in which CWD was not detected
- Unsustainable population

CWD Implications

1. Significant deer population declines in areas with high CWD prevalence.
2. Hunters avoid areas of high CWD prevalence.

2012



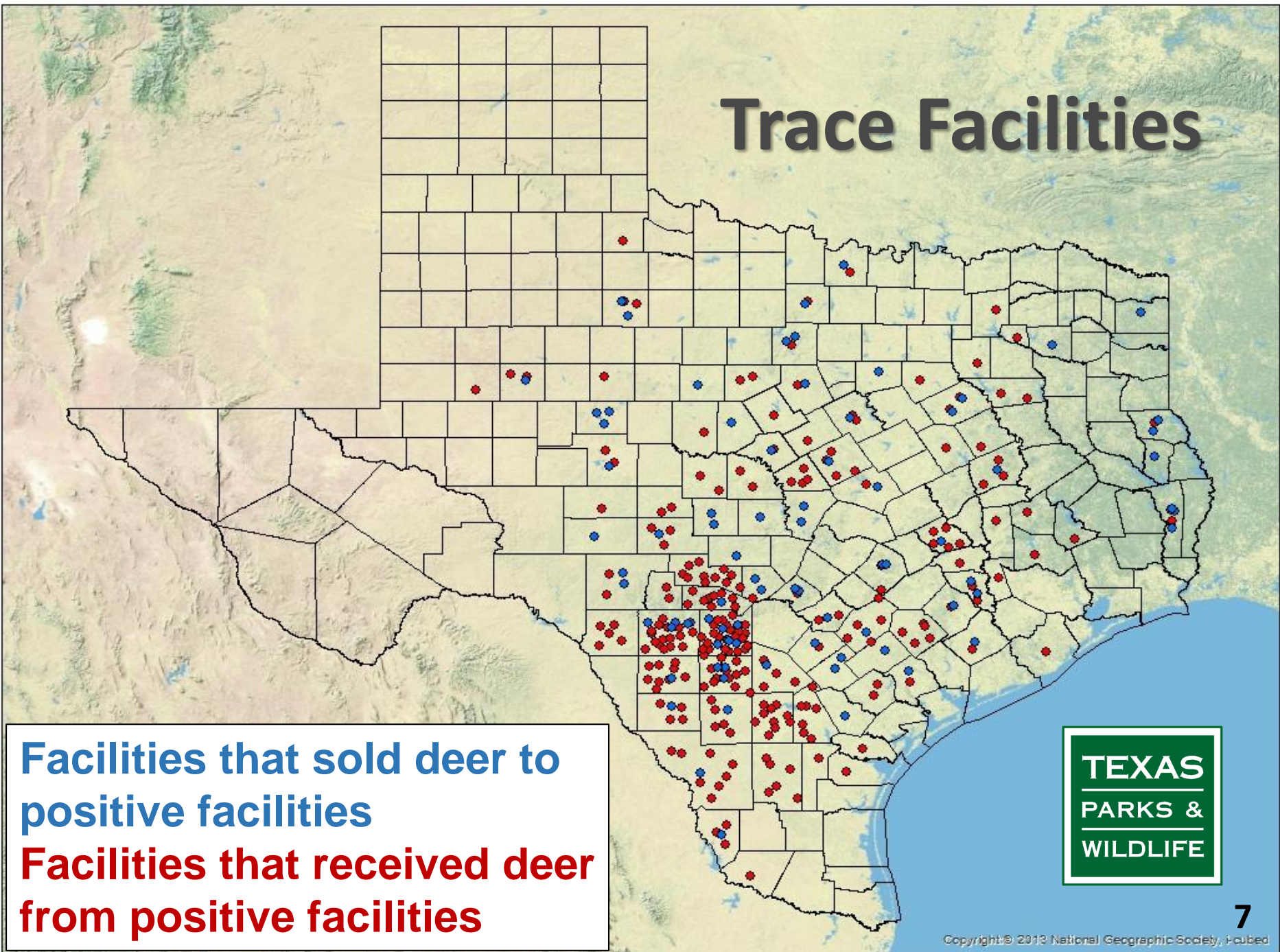
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Index Case 2015



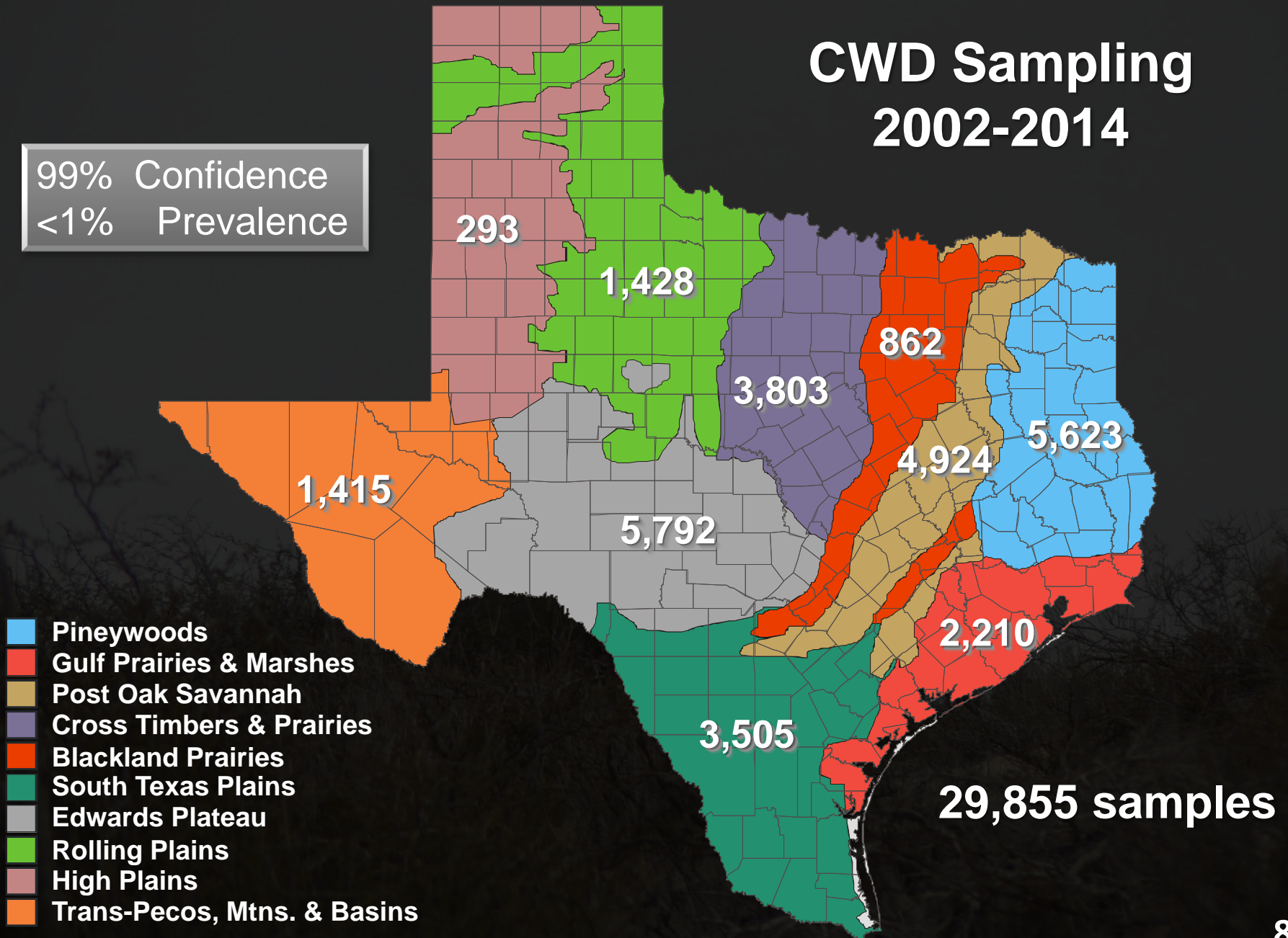
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Trace Facilities

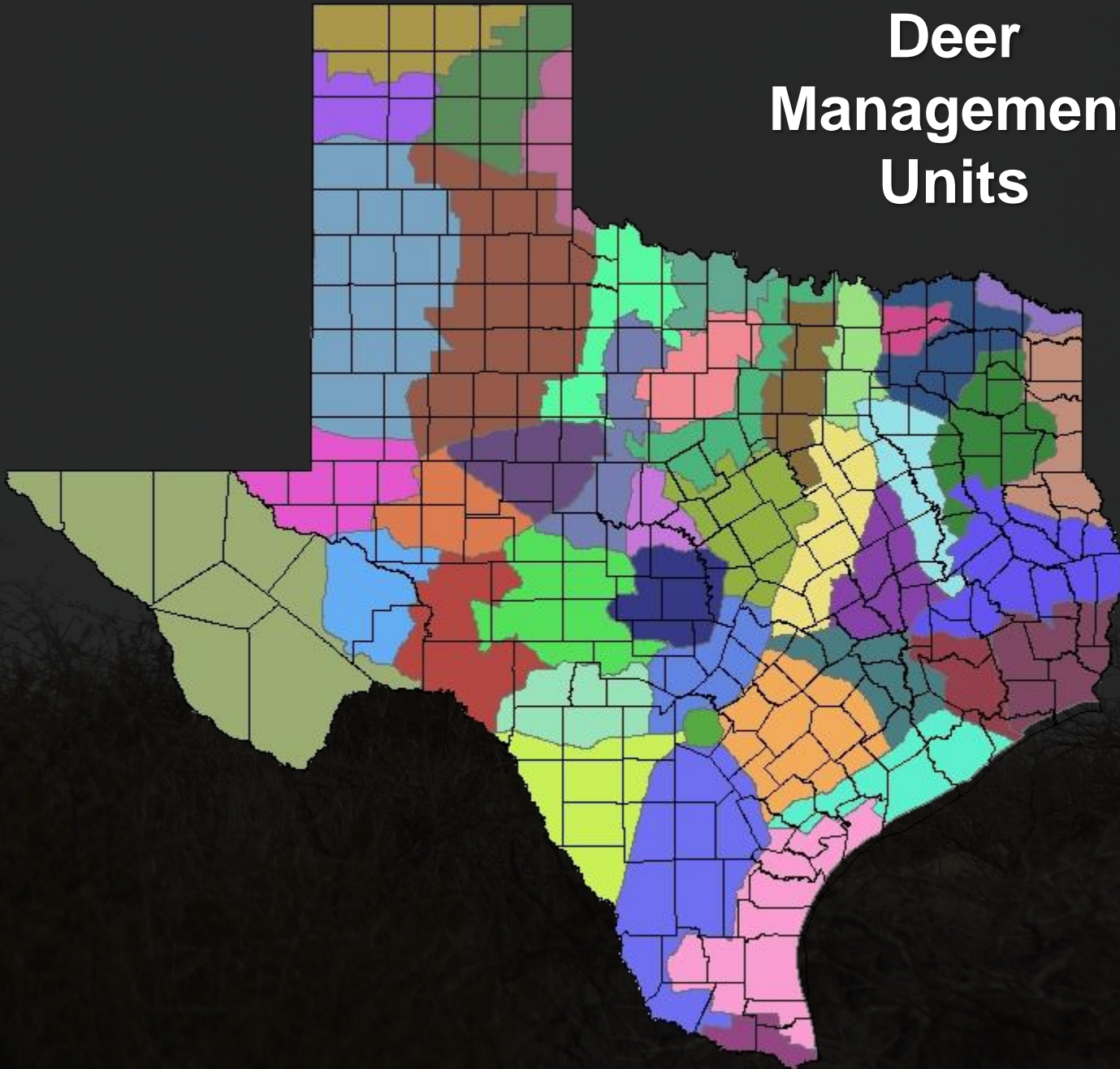


CWD Sampling 2002-2014

99% Confidence
<1% Prevalence



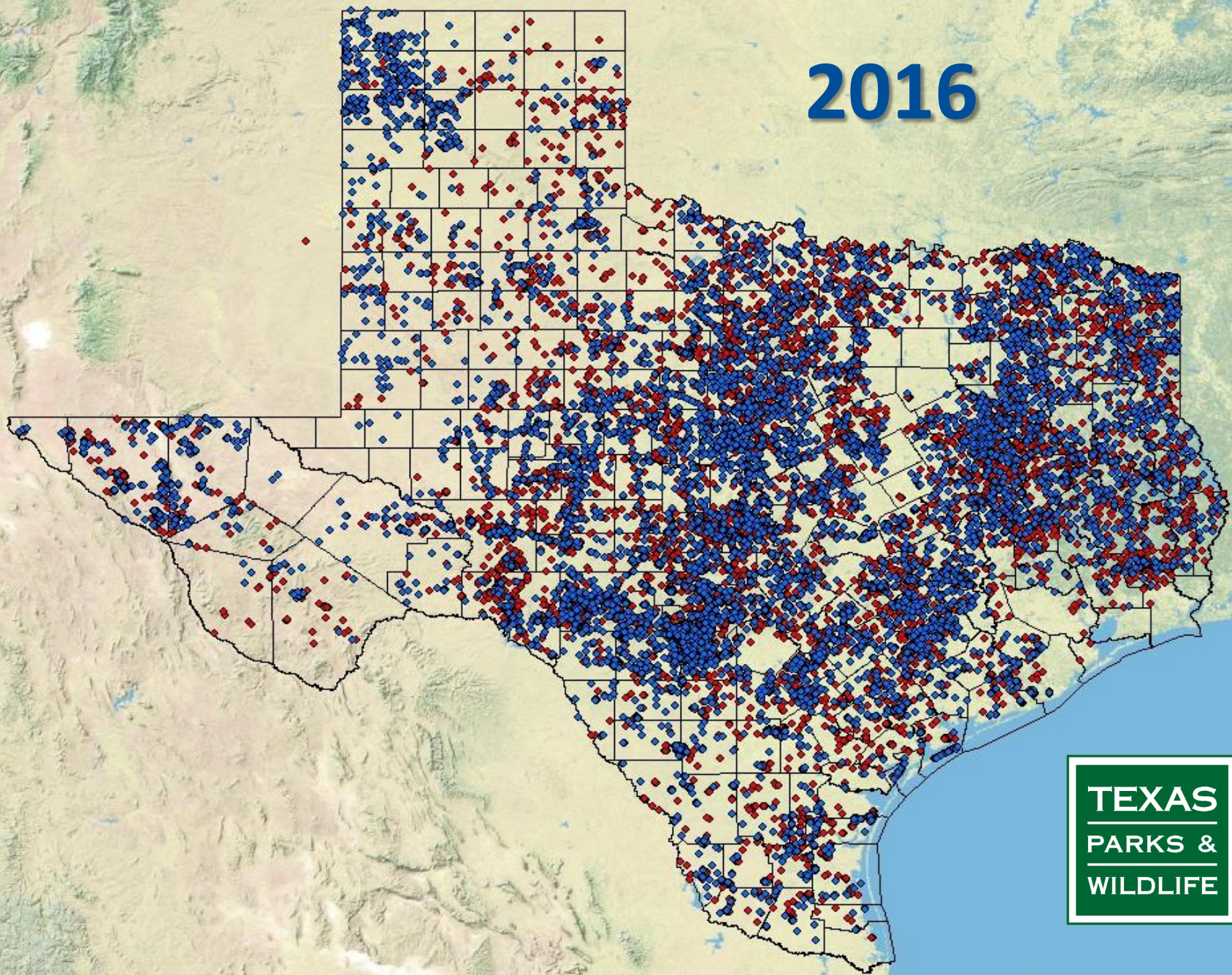
Deer Management Units



2015

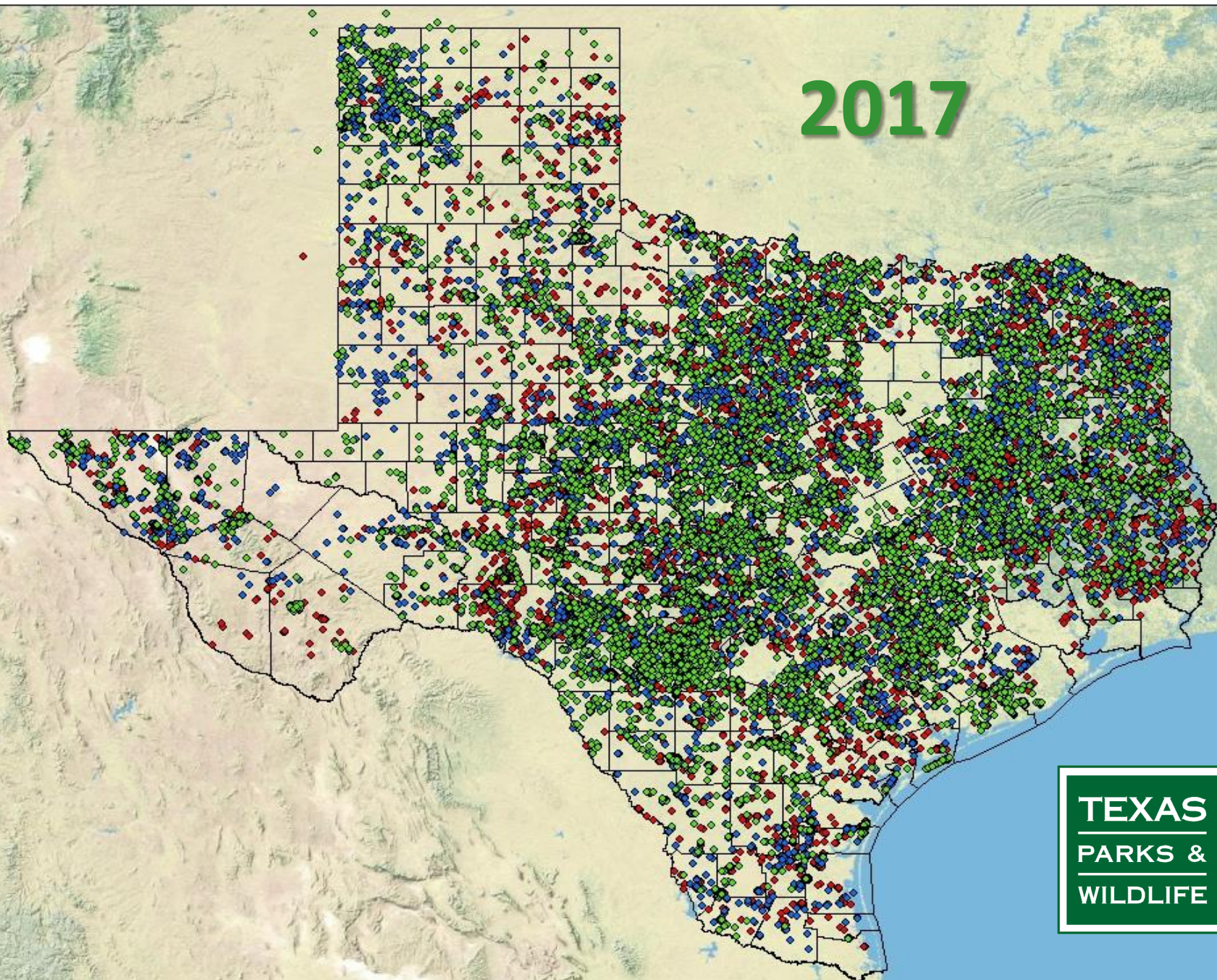
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2016



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2017



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2018

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2019

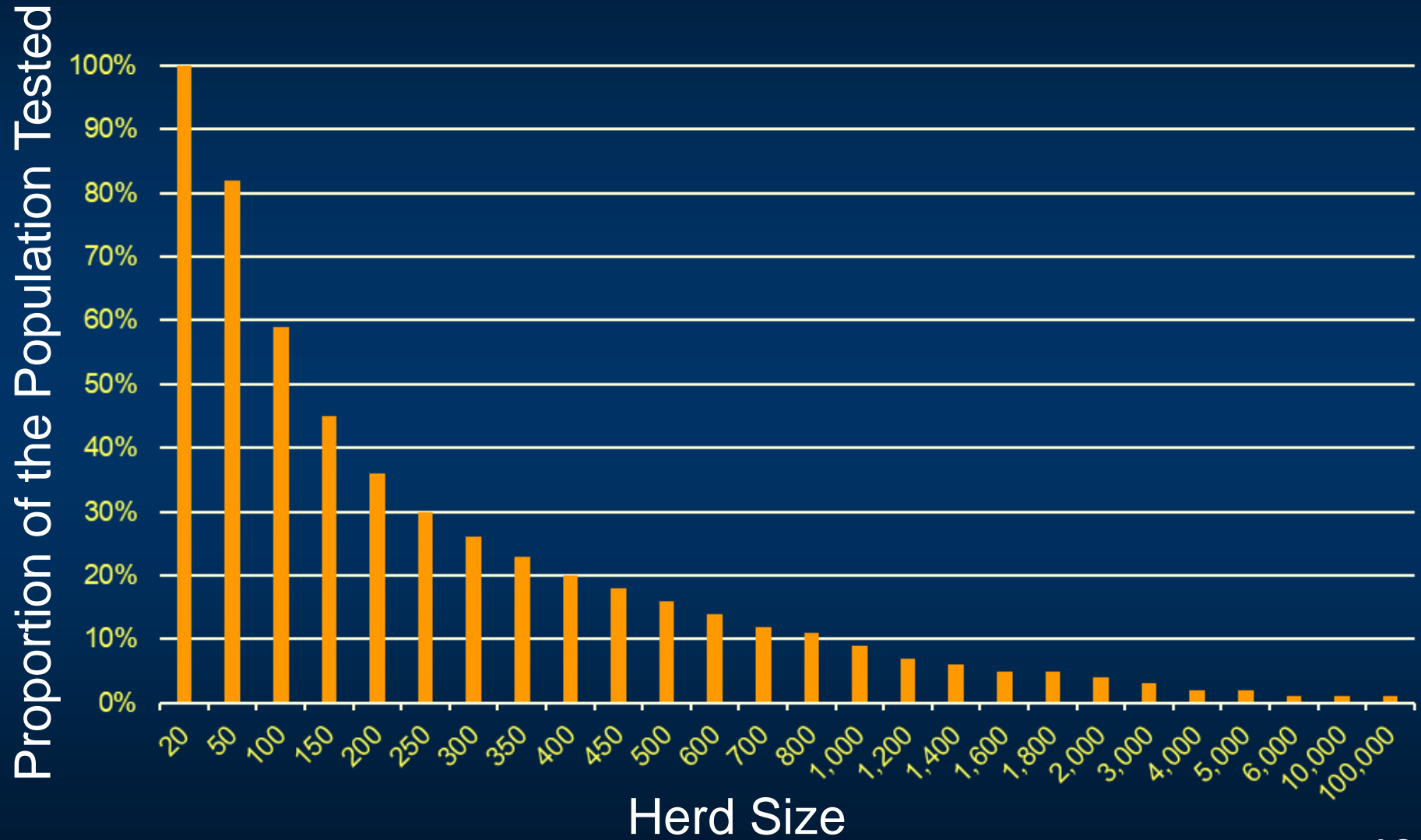
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2020

66,981 samples



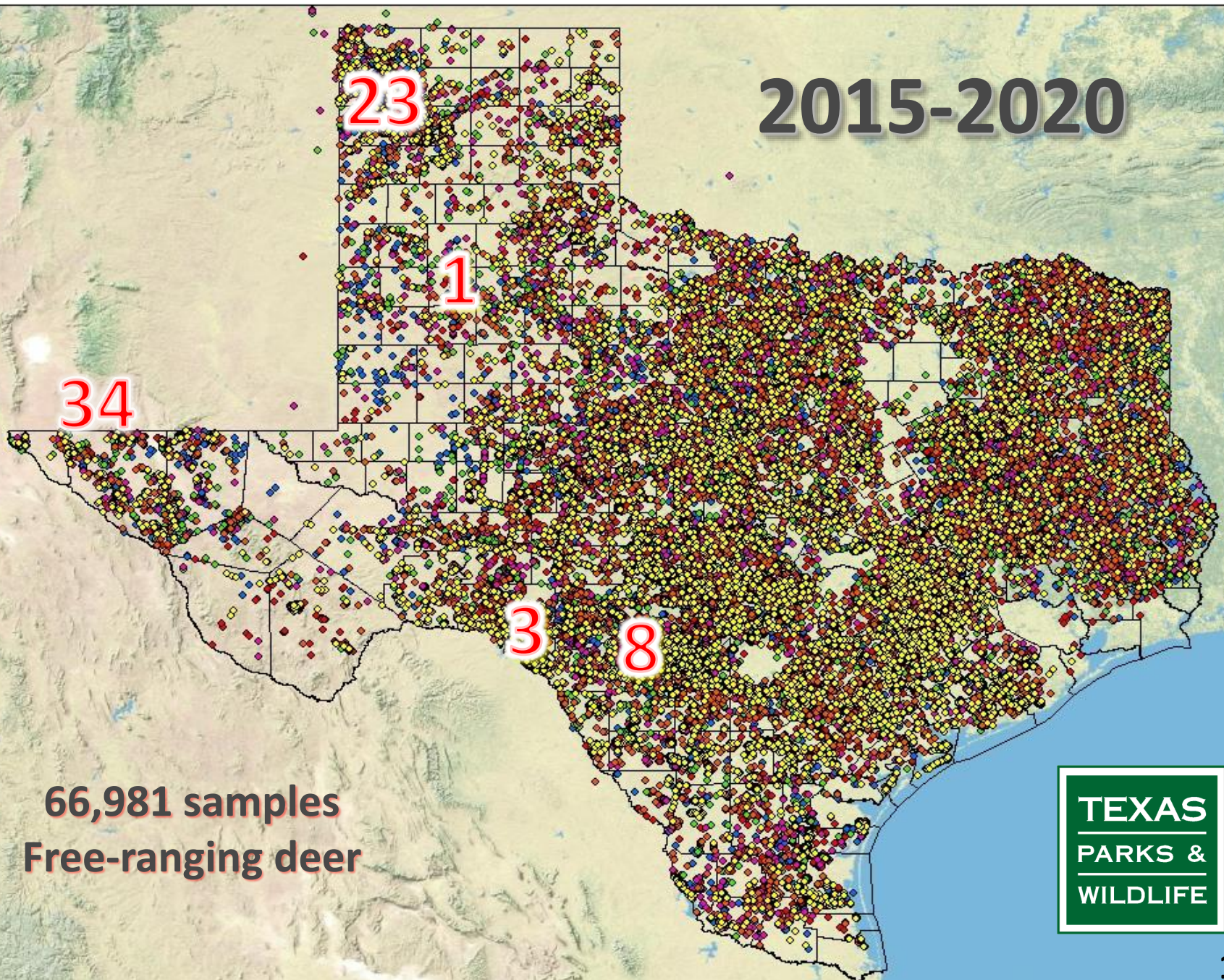
Sampling Effort



**Sampling Effort
Needed to Detect a
Diseased Animal with
99% Confidence at
5% Prevalence**

Herd Size	# Infected Animals	Sample Size	% of Herd
20	1	20	100%
50	2	41	82%
100	5	59	59%
150	7	67	45%
200	10	72	36%
250	12	75	30%
300	15	77	26%
400	20	80	20%
500	25	82	16%
700	35	84	12%
1,000	50	86	9%
1,200	60	86	7%
1,600	80	87	5%
2,000	100	88	4%
4,000	200	89	2%
5,000	250	89	2%
10,000	500	89	1%
Infinite	5000+	90	<1%

2015-2020



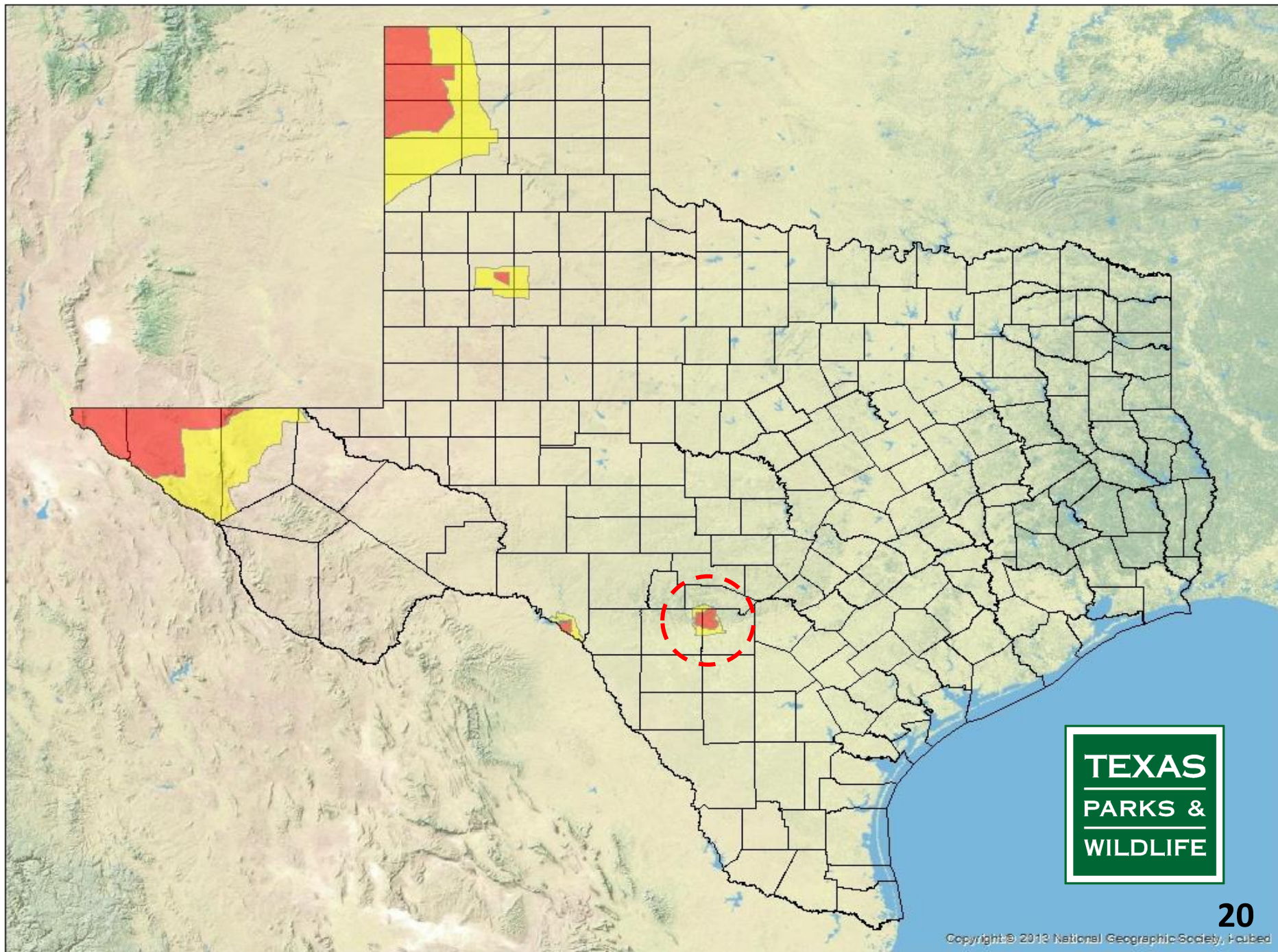
66,981 samples
Free-ranging deer

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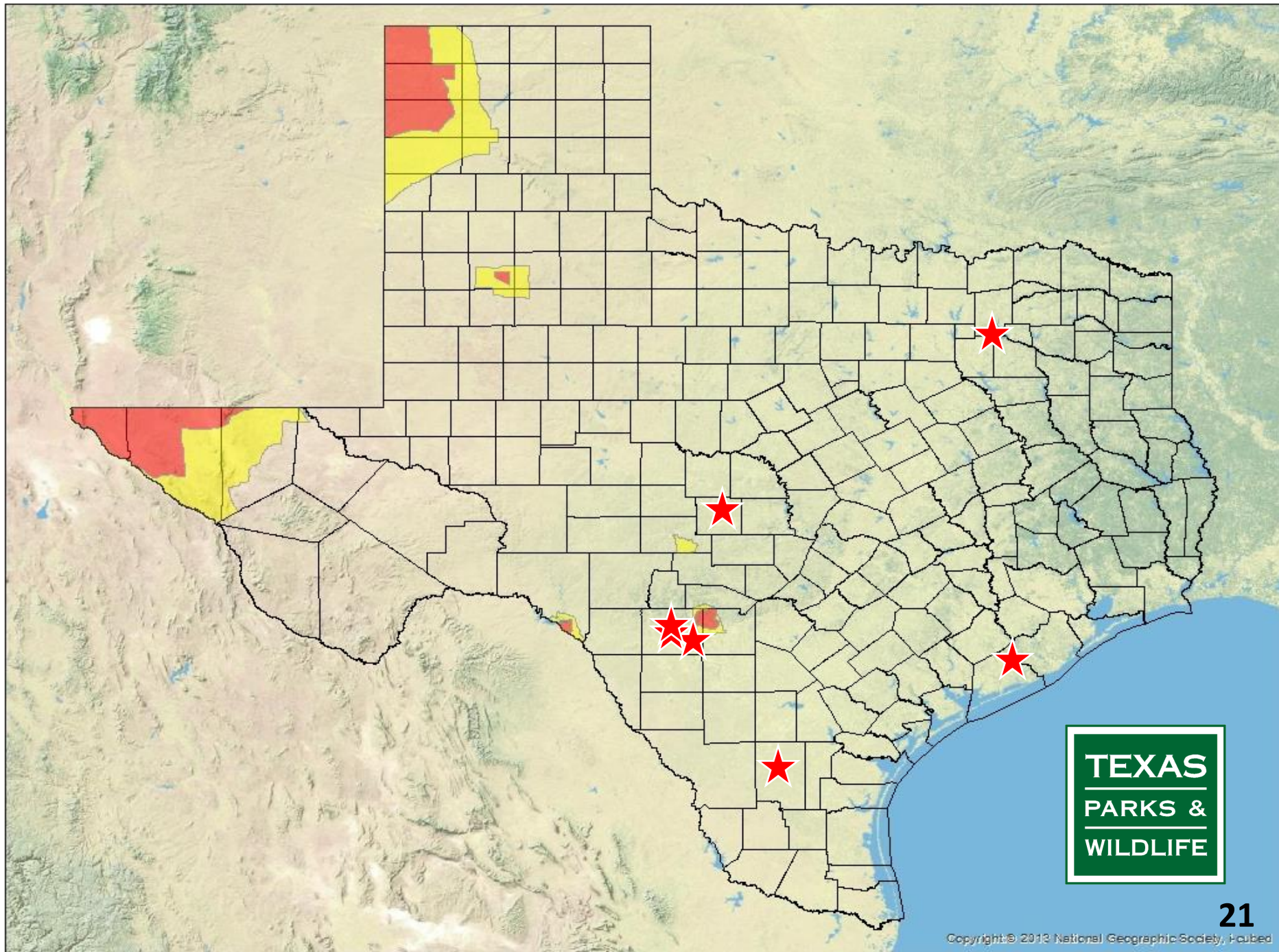


Mandatory CWD Testing Carcass Movement Restrictions

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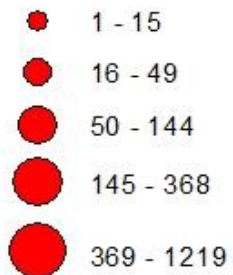


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2021

CWD Exposed Deer



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Emergency Rule

- >1,700 deer that were transferred from CWD-positive deer breeding facilities to 103 different release sites
- 214 Tier 1 facilities in possession of >26K deer were still able to move deer around the state

Emergency Rule

- Enhanced testing requirements
- Every deer 9 months of age or older that is liberated must have a “Not Detected” antemortem test result before liberation

Stakeholder Meetings and Input

- May 5, 2021 - CWD Task Force Meeting
- May 27, 2021 - Private Lands Advisory Committee
- June 24, 2021 - Private Lands Advisory Committee
- June 28, 2021 - CWD Task Force Meeting
- July 1, 2021 - White-tailed Deer Advisory Committee
- July 13, 2021 - CWD Task Force Meeting
- July 26, 2021 - CWD Task Force Meeting
- August 17, 2021 - CWD Task Force Meeting
- August 25, 2016 - TPW Commission Public Hearing
- September 1, 2021 – Deer Breeder User Group
- September 13, 2021 - Mule Deer Advisory Committee
- September 15, 2021 - TPW Commission Special Meeting on CWD

Comprehensive CWD Rules

ISSUE	CURRENT RULES	PROPOSED RULES
Sample Submission	Obex <u>or</u> MRLN	Obex <u>and</u> MRLN
Sample Submission Timeframe	14 Days	7 Days
Postmortem Testing	3.6% of test-eligible pop.	5% of test-eligible pop.
	80% of mortalities	100% of mortalities
Test-eligible age	16	12

Comprehensive CWD Rules

ISSUE	CURRENT RULES	PROPOSED RULES
Antemortem Substitution Testing	3:1	5:1
AM Testing Prior to Release	No	Yes
TTT	Active	Suspension
Proof-of-Sex Doe Deer	Head	Sex organs

Chronic Wasting Disease



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